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Title:
Perfect score:
Sequence:
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Maximum Match 100%
Listing first 45 summaries
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1: gb_bal:*

2: gb_ba3:*

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4: gb_in1:*

5: gb_in2:*

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9b_pat1:*

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June 6, 2001, 18:42:29; Search time 3825.23 Seconds (without alignments) 8767.220 Million cell updates/sec
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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68.2	68.4	69.8	72	92.8	97	150.2	167.6	180.2	215.8	720.8	Score
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278	309	149789	348	313	321	2801	2066	2263	2845	10826	Length
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AF009917	AF009915	AC007926	AF009920	AF009913	AF009914	AF009908	GGU31115	SPSFB	STRPRTNF	SPU49397	ID
AF009917 Streptoco	AF009915 Streptoco	AC007926 Trypanoso	AF009920 Streptoco	AF009913 Streptoco	AF009914 Streptoco	AF009908 Streptoco	U31115 Group G str	x67947 S.pyogenes	L10919 Streptococc	U49397 Streptococc	Description

Streptococ Streptococ Bacteria; Streptococ 1 (bases Podbielski Characteri A streptoc Wol. Micro 2 (bases Podbielski Direct Sub Submitted Microbiolo Germany, 5	ALIGNMENTS RESULT 1 SPU49397/C LOCUS SPU49397 10826 bp DNA BCT 19-DEC-1998 DEFINITION Streptococcus pyogenes MsmR (msmR) gene, partial cds; LepA (lepA), Cpa (cpa), and Nra (nra) genes, complete cds; SsbA (ssbA) gene, partial cds; and unknown genes. ACCESSION U49397 VERSION U49397.1 GI:4028947	27 58.6 2.6 1007 53 CNS06XSS 28 57.4 2.5 131184 92 HSH2137 29 57.4 2.5 340000 36 HS21CO17 30 57.4 2.5 340000 90 AP001572 31 56.6 2.5 1240 4 AE001424 32 56.4 2.5 32392 58 AF250284 33 56.4 2.5 321003 84 PFMAL4P3 36 55.8 2.5 17470 4 AE001402 37 55.2 2.4 694 6 S52459 37 55.2 2.4 694 6 CNS07ABZ 38 55.4 2.4 3711 5 AF247634 39 54.6 2.4 964 54 CNS07ABZ 40 54.4 2.4 759 53 CNS060XV 41 54.4 2.4 174832 83 CNS0116Q 42 53.6 2.4 110000 84 PFMAL13P2_0 43 53.6 2.4 110000 84 PFMAL13P2_0 45 53.6 2.4 204652 84 PFMAL13P6	68.2 3.0 195969 76 67.6 3.0 281 1 67.6 3.0 282 1 66.8 2.9 326 1 64.2 2.8 326 1 64.2 2.8 2642 5 66.4 2.7 309 1 661.4 2.7 359 1 661.4 2.7 359 1 661.2 2.6 55611 6 60.2 2.6 55611 6 59.4 2.6 356179 60 59.4 2.6 310779 60 59.4 2.6 310779 60 59.4 2.6 310779 60 59.4 2.6 310779 60 59.4 2.6 310779 60 59.4 2.6 310779 60 59.4 2.6 3100 84 58.8 2.6 4102 5 58.8 2.6 4102 5 58.8 2.6 4102 5
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IEQILKNKQPALTVVLISSNFINAKLLTDTIPRYFSDKGIHFYSFYLLKDDIYQIPSL
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5894 AACAAACGACGACAAACGACGATCGGATTACTGAAAGTATTTTTTGACGTTTGTAGCTCTG
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DPKKyafllQiyflnkrfksikeayQadnnildrsifedelflklnykngnytkteld
IYQELLanmleelegmpkkrpdlliyidvsfdkmleriekrgrsfeQvdgnpsleQyy
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/protein_id="AAC97156.1"
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DINNGCPVNKVKNEAGAKWLKDPDKITHIVKEYTSVLDIPLTVKMRTGWADSSLAVE
NALAAESAGVSALAMHGRTREDMYGTCDLFETLARVSKAITKIFFIGNGDVRSVODAK
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L10919
L10919.1
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                                                                                                                                                                                                                                Mol.
                                                                                                                                                                                                                                         Protein F: An adhesin of via two distinct domains
                                                                                                                                                                                                                                                                                              Bacteria; Firmicutes;
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                                                                                                                                                                                                                                                             S., Aviv, A.,
                                                                                                                                                                                                                                Microbiol. 10,
                                                                                               /gene="prtf"
/codon_start=1
/transl_table=11
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/gene="prtF"
425. .2404
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425. .2404
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                                                                           /product="protein
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                                                                 atataataaaggataccaaaaatcttttgagtggtggtttagttcctactaaaccaccaac
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                                                                                                                                                                                                              TACTTTAATGCGTGAGGCATTGAAAAAACTAATTGATCCCAATTTAGAAGCTACTGCAGT 1137
                                                                                                                                                                                                                                atctttgatgcgtcaagctttgaagcaactgattgatccgaatttggcaactaaaatgcc
                                                                                                                                                                                                                                                                                                ATTTGAGACATTATGGGAGTCTGAGGCGAAAGAAGGTAA---GATTAGTAGGTCACAAGT
                                                                                                                                                                                                                                                                                                                                                                                 ANATGCTATTACTGTAACACAATATGCAGTTTGGCATTACTCAGATAATTCACAATATCA 1020
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          tgttatgtataatggacatccacaaaatgccaatggtattatggaaggcttggaaccctt 530
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tecaggagacccaccaatgcctccaaatcaacctc
                                         --AAAATGAAGCTTACCAAAATCTTTTAAGTGCTGAATATGTACCTGATGATCCCCCCTAA 1239
                                                                                                                                                                                                                                                                                                                                     taatccagatgaaagttttaaaagggagtcagaaagtaacttggttagtacttctcaatt
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QTTPQVETEDTKEPEVLMGGQSESVEFTKDTQTGMSGQTTPQIETEDTKEPEVLMGGQSESVEFTKDTQTGMSGQ
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); Mismatches
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Pred. No. 6.7e-26;
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3 (bases 1 to 2263)
Talay,S.R., Valentin-Weigand,P., Timmis,K.N. and Chhatwal, Domain structure and conserved epitopes of Sfb protein, the fibronectin-binding adhesin of Streptococcus pyogenes Mol. Microbiol. 13 (3), 531-539 (1994)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Fibronectin-binding protein of Streptococcus the binding domain involved in adherence of sepithelial cells Infect. Immun. 60 (9), 3837-3844 (1992)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (31-JUL-1992)
Braunschweig, FRG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Streptococcus pyogenes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (13-JUL-1994) S.R. Talay, GBF, Mascheroder Weg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Direct Submission
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2 (bases 1 to 1030)
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//db_xref="Spitembl:Q01924"
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QvayaadektivphrvsQopeppygydpytronesskyidveleknilkrlylngvp
QvayaadektivpthrvsQopeppygydonesskyidveleknilkrlylngvp
Negroimegleplaylivptonaymyysdossifntddeptyperppkpgetpelhapl
Alkklidpklseslkpvpstfrlnifegdoklygopevpsesslepplhpeglegope
ktpellogtpipegpornessleptlpymldgobypevpsesslepplhpellogop
ktpellogtpipegpornessleptlppymldfokpydlplessveftkdtogg
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yiteytstropykoperdokepgvlanggosesveftkdtoggsesveftkddtoggsesveftkdtoggsesveftkdtoggsesveftkdtoggsesveftkdtoggsesveft
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124. .2040
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/product="fibronectin-binding
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Streptococcus sp. 'group G'
Bacteria; Firmicutes; Bacillus/Clostridium group; Streptococcaceae;
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Kline, J.B., Xu,S., Bisno,A.L. and Collins,C. Identification of a fibronectin-binding prot
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Submitted (06-7UL-1995) James B. H
University of Miami, 1600 NW 10th
Location/Qualifiers
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Infect. Immun. 64 (6), 2122-2129 (1996)
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rklispdlektvknglpenyklnlfiskdnsignllsteyvodnlokrgeepkeespk
eenpkipdldflepvycoepsppvipvilloeepvpvpseslepalpelmeeldog
evpekpsidlpievpkngospesvetkdtgtgytrognovpvblklpnet
gfsgnyvetedykepevlmggossevetkdtgtgnsgottpoyvetedykepegveng
gsesveftkdtgtgnsgottpoyetedtkepcylmggosssveftkdtgtgsesset
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PIFSLLKNKQNNKV"
3 326 C 435 g 581 t
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/db_xref="GI:950169"
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/transl_table=11
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Streptococcus pyogenes fibronectin/fibrinogen binding
(prtF15) gene, complete cds.
AF009908
AF009908.1 GI:2271466
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of th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Katerov, V.E., Andreev, A.S., S
Direct Submission
Submitted (20-JUN-1997) Med.
23, Lund 22362, Sweden
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Microbiology 144 (Pt 1), 119-126
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                 954
                                              /codon_start=1
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FNLKREPEKKEESSSPWYKKLDGTEFFFWYGYDSYSGEELRHILKYLYNGYPNS
REIMGGIDPLNAILVTQNAITWYSDSAPINDINNFTSEANDLNIPPQOLTLAREALR
KLISSDENLVKQVPSNFKLSIFESSDKSYQNLLSAEYVPDDPFKDGTSEHNPKTEEL
DGTPIPEDPKREDESSGPALPPLMPELDGEEVPEVPSESLEPALPPLVPELDGEEVPE
PPSESLEPALPPLMPELDGQEVPEVPSSESLEPALPPLMPELDGEEIPEVPSESLEPALP
PLMPELDGQEVPEKPSIDLPILTVPRYSENNKOQSPLAGESGETDYITEVYGNQONEV
DIDKKLPNETGFSGNNVETEETKEPGYLMGGQSESVEFTKDTQAGMSGGTTPQVETEE
TKEPGYLMGGQSESVEFTKDTQTGMSGGTAPQVETEDTKEPEVLMGGQSESVEFTKDT
QAGMSGGTAPQVETEDTKEPGYLMGGGSSGVETVSTVEDTRPKL
VFHFDNNEPKVEEHREKPTKNITPILPATGDIENVLAFLGILILSVLSIFSLLKNKQN
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/db_xref="taxon:1314"
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/strain="EF1949"
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RESULT AF009914 LOCUS

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DEFINITION
ACCESSION
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cas

AF009914 Streptococcus

pyogenes

fibronectin

binding

protein

13-FEB-1998 F gene, partial

SOURCE ORGANISM

Streptococcus pyogenes

AF009914 AF009914.1 GI:2267181

KEYWORDS

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ACCTGGTGATACGTCAGAACATAATCCTAAAACTC
            tccaggagacccaccaatgcctccaaatcaacctc 865
                                                   -TCTGATAAGTCCTACCAAAATCTTTTAAGTGCTGAATATGTACCTGATGATCCTCCTAA
                                                                 atataataaaggataccaaaatcttttgagtggttggtttagttcctactaaaccaccaac
                                                                                                        TAAACAAGTTCCATCGAACTTTAAACTTAGTATTTTTGAGTCT---
                                                                                                                                                           AACGTTAATGCGTGAAGCTCTGAGAAAACTAATTTCCTCTGAT
                                                                                                                                                                                                                TGATATTAATAACTTCTTTACTAGTGAAGCCAATGATCTTAATATACCACCTCAGCAGCT
                                                                                                                                                                                                                                  taatccagatgaaagttttaaaagggagtcagaaagtaacttggttagtacttctcaatt
                                                                                                                                                                                                                                                                    CAACGCTATCTTAGTAACACAAAATGCCATATGGTATTACTCGGATAGTGCACCGATTAA
                                                                                                                                                                                                                                                                               gaatgctatcagagttacacaagaggcggtatggtactattctgataatgctcctatttc
                                                                                                                                                                                                                                                                                                                         GGTTCTCTACAATGGATATCC---TAATAGTAATGAAATAATGAAGGGGATAGACCCTCT
                                                                                                                                                                                                                                                                                                                                                                             TAAAAAATACGCTGAAAACCCTAGGTTTAGTGGAGGAGGAATTAAGACGACATATATTGAA
                                                                                                                                                                                                                                                                                                                                                                                            tgaagattatgcgatgagccctagaattacgggagatgagctaaatcagaagttacgagc
                                                                                                                                                                                                                                                                                                                                                                                                                                  AAAAGAAGAAAGTAGCAGTCCTAATTGGTATAAAAAATTAGATGGGAGTACAGAAACTTT
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  160;
Streptococcus:
1 (bases 1 to 313)
1 (bases 1 to 313)
Katerov, V., Andreev, A., Schalen, C. and Totolian, A.A.
Katerov, V., Andreev, A., Schalen, C. and Totolian, A.A.
Protein F, a fibronectin-binding protein of Streptococcus
Protein F, a fibrinogen: isolation of the protein and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Katerov, V., Andreev, A., Schalen, C. and Totolian, A.A. Protein F, a fibronectin-binding protein of Streptococcus pyogenes. Also binds human fibrinogen: isolation of the protein and mapping
                                                                                                                                                                          AF009913
Streptococcus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Submitted (23-JUN-1997) Medical Microbiology, Lund University, Solvegatan 23, Lund 22362, Sweden
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of the binding region
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Direct Submission
                                                                                           Streptococcus
                                                                                                                                      AF009913.1
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                                                                              Bacteria; Firmicutes;
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                                                                  Streptococcus.
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/translation="FGQVAYSADEKTVPNFKSPDPDYPWYGYYAYGKGYPGYDISKYY
HDLRVNLNGSQVYQVYCFNIQKIFPYNVKSVTQKWFKKAEGNSDTFGPYAMNPRVQGE
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/strain="M4 strain Umea"
/db_xref="taxon:1314"
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/protein_id="AAC38161.1"
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/transl_table=11
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Pred. No. 1.5e-06;
                                                                             Bacillus/Clostridium group;
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fibronectin binding protein
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2 (bases 1 to 348)
Katerov, V.E., Andre
                                                                                         Katerov, V., Andreev, A., Schalen, C. and Totolian, A.A. Protein F, a fibronectin-binding protein of Streptccoccus also binds human fibrinogen: isolation of the protein and
                                                                                                                                                                                                          Streptococcus pyogenes Streptococcus pyogenes
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Katerov, V.E., Andre
                                                                           of the binding region
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/transl_table=11
/product="fibronectin binding protein
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/db_xref="GI:2267180"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="Streptococcus
/strain="M4 strain 281C"
/db_xref="taxon:1314"
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   Andreev, A.S.,
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     Schalen, C. and
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7.4e-06;
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     Totolian, A.A.
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Submission

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| ||||| ||| ||| |||| ||||| ||||||
Submitted (28-JUN-1999) The Institute for Genomic Research, Medical Center Dr, Rockville, MD 20850, USA On Feb 12, 2001 this sequence version replaced gi:6707792.

* NOTE: This is a 'working draft' sequence. It currently consists of 1 contigs. Gaps between the contigs. Fare represented as runs of N. The order of the pieces is believed to be correct as given, however the sizes.
                                                                                                                                                                                           l (bases 1 to 149789)
El-Sayed,N., Zhao,H., Mason,T., Wanless,D., Fujii,C., Barnste,Bl-Sayed,N., Zhao,H., Mason,T., Wanless,D., Fujii,C., Barnste,Bomman,C., Peterson,J., Khalak,H., Ullu,E., Melville,S., Donelson,J., White,O., Fraser,C. and Adams,M.
Trypanosoma brucei GUTatl0.1 RPCI93-3H15 BAC genomic sequence
                                                                                                                                                                                                                                                                                                                                                                                                             AC007926 149789 bp DNA
Trypanosoma brucei chromosome II clone
IN PROGRESS ***, 1 ordered pieces.
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Trypanosoma brucei
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                                                                                                                           Direct Submission
                                                                                                                                            El-Sayed, N.M., Khalak, H. and Adams, M.D.
                                                                                                                                                                              Unpublished
                                                                                                                                                                                                                                                                                                        Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
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/transl_table=11
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LEGSTPYQVYCENLYRQEPSKVNGFRKNWFKKVDGDNAVFKKYAANPRVIDRREFRINI
LNVIYNGYSRVQMG"
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Pred. No. 0.017;
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                            caaaaacaggaataacaagtgatgagacacttgcttttgaaaataataataaagagcctgttg 2161
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This sequence will be replaced by the finished sequence as soon as
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1 149789: contig of 149789 bp in
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31075 c 30327 g
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/isolate="GUTatl0.1"
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                                                                    AF009917
Streptococcus
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Streptococcus
                             AF009917
AF009917.1
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Katerov, V.E., Andreev, A.S., Schalen, C. and Totolian, A.A.
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AF009915.1
  Streptococcus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /product-"fibronectin binding protein F"
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/db_xref="GI:2267184"
/tanslation="FGQVAYSADEKTVPNFKSDDPDYPWYGYYSYRGIFARYHNLKVN
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LKGSKEYQAYCFNLTKYFPRPTYSTINNFYKKIDGSGSAFKSYTANPRVLDENLDKLE
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/strain="M12 strain 73195/2110"
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/transl_table=11
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) F gene, pai
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F gene, pa
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Direct Submission
Submitted (23-JUN-1997) Medical Microbiology, Lund University,
Solvegatan 23, Lund 22362, Sweden
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Katerov,V., Andreev,A., Schalen,C. and Totolian,A.A. Protein F, a fibronectin-binding protein of Streptococcus binds binds human fibrinogen: isolation of the protein and
Submitted (29-JUL-2000) Lita Annenberg Hazen Genome Center, Spring Harbor Laboratories, 1, Bungtown Road, Cold Spring He NY 11724, USA On NOV 11, 2000 this sequence version replaced gi:11094673.
                                                                                                                                                                                                              Oryza sativa
Eukaryota; Viridiplantae; |
Magnoliophyta; Liliopsida;
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                                                                       Direct Submission
                                                                                         McCombie, W.R.
                                                                                                                      Unpublished
                                                                                                                                            Rice genomic sequence
                                                                                                                                                                                                                                                                     Oryza sativa.
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24 unordered pieces.
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                                                                                                                                                              McCombie, W.R.
                                                                                                                                                                                                                                                                                                       AC074354.6 GI:11138177
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38 c 59 g 92 t
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/strain="M15 strain 58/50"
/db_xref="taxon:1314"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 68.2; DB 1; pred. No. 0.072; 0; Mismatches 58;
                                                                                                                                                                                                                  Embryophyta; Tracheophyta; Spermatophyta;
; Poales; Poaceae; Ehrhartoideae; Oryzeae;
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                                               Query Match 3.0%;
Best Local Similarity 25.2%;
Matches 377; Conservative
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                 774 taataaaggataccaaaatcttttgagtggtggtttagttcctactaaacccaccaactcc 833
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NOTE: This is a 'working draft' sequence. It currently consists of 24 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.
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1. 195969
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/db_xref="taxon:4530"
/clone="OSJNBa0065C16"
1 38750 c 34838 g 53551 t 10406 others
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134051: gap of unknown length
143677: contig of 9626 bp in length
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8: contig of 1655 bp in length
10: contig of 1591 bp in length
11: contig of 1591 bp in length
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0; Mismatches 1112;
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a 1973	tcaaactgttaaaacagatagatagatagatagatagata	1914	Qy
A 149872	AAAANNAAAAANTTNNNNNNAAATTTNAAAAANAAAAN	149813	рь
c 1913	cagaactaaagatttccattttgaaattgaattaaaaaaataataagcaagaattgctttc	1854	Qy
a 1853	agttatacctgtaactcataatttaacattgagaaaaacggtgactggtttagctggtga	1794	Db Qy
N 149812		149753	
	tggaactcagtggcatccagaagatttagttgatattattcgtatggaagataaaaaaga	1734	dd
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t 1733 T 149692	tccacagctaactgaccttgattctttattccgaataacaataaata	1674 149638	dq Qy
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t 1613	cactgatagtgctgaattagataaggataaactaaaagactatcatggttttggagacat	1554	P 04
N 149577		149518	
t 1553	i gtatagtggtctaactgagacacaattgcgtgcggctactcagttagcaatattattt	1494	ОУ
A 149517		149458	
a 1493	cttaaaacatatcaaaaaagtaattgagaagggttacagggaaaaagggccaagctattga	1434	Db da
N 149457		149398	
t 1433	tgcaggtcgtgacctctttaaatatactgtgaaaccaagagataccgatcctgacacttt	1374	дь
A 149397		149338	Оу
t 1373	i agatggtgggaaacaatgactccagactttacaacaggagaagtaaaatacactcatat	1314	Ωу
N 149337		149278	
a 1313	: tggaagttcacaggttgtctattgctttaatgcagatctaaaaatctccaccagactctga	1254	dg
N 149277		149221	VQ
a 1253	i agaatttagcgttttaactacacaaaactatgcaaaattttattatgcaaaaaataaaaa	1194	Qy
T 149220		149161	db
a 1193 A 149160	tgaaaatcccaataaagagatagtagagccttactcagtagaagcatataatgattttga 	1134 149101	dq VQ
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T 149040		148981	
t 1013 N 148980	cgtgaatagttttcaagcgagagtgtttagcagtaatgatattggagaaagaa	954 148921	рь
a 953	tgctataggtgattactctaaattgcttgaaggtgcaacattacagttgacaggggataa	894	DP OA
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 A 148860	 	148801	DЬ

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gaagttatcaagtttattgctttaatttaaagaaagcatttcctctcggatcagatagta
                                          cgctggtatcagtttggggatctggggaattcacacgataaggataagaaaacatga
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                             ATTCGTATAGAGGAATATTTGCAAGATATCACAATTTAAAAGTAAATCTAAAAGGAAGTA 146
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Protein F, a fibronectin-binding protein of Streptococcus
also binds human fibrinogen: isolation of the protein and
of the binding region
Microbiology 144 (Pt 1), 119-126 (1998)
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ilarity 59.3%;
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CGAATCCTAGGGTT
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Katerov,V., Andreev,A., Schalen,C. and Totolian,A.A.
Protein F, a fibronectin-binding protein of Streptococcus
also binds human fibrinogen: isolation of the protein and
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365 gtgttaaaaagtggtataaaaaacatgatggaatctctacaaaatttgaagattatgcga 424
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Raterov,V.E., Andreev,A.S., Schalen,C. and Totolian,A.A.
Direct Submission
Submitted (23-JUN-1997) Medical Microbiology, Lund University,
Solvegatan 23, Lund 22362, Sweden
Location/Qualifiers
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AF009911 AF009911 GI:2267175
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